

IN THE CLAIMS:

Please cancel claim 1 without prejudice or disclaimer.

Please amend claims 2-5 as follows:

1. (Cancelled)

2. (Currently Amended) A transmitter for suppressing a variation in input ~~which adjusts the signal~~ level of a multicarrier signal obtained by combining multiple carriers, the transmitter comprising:

a peak suppressing section for detecting whether there exists a peak by comparing a ratio between the instantaneous power and the mean power of ~~based on~~ the sum of power levels of inputted carriers with a predetermined peak factor threshold value and outputting the carriers the power levels of which are suppressed such that the power of each carrier after the combination becomes specified power by uniformly multiplying a multiplication factor corresponding to the sum of power levels for each carrier ~~the sum of the power levels is smaller than a predetermined peak threshold value~~ when the peak is detected;

an input power calculating section for calculating a mean input power level for each carrier before the carriers are inputted to the peak suppressing section;

an output power calculating section for calculating a mean output power level for each carrier after the carriers are outputted from the peak suppressing section;

a monitoring section for determining a gain value ~~outputting level control information which controls the signal level of the multicarrier signal~~ based on the mean input power level calculated by the input power calculating section and the mean output power level calculated by the output power calculating section and outputting the gain value as level control information which controls the signal level of the multicarrier signal; and

a level adjusting section for adjusting the level of the multicarrier signal based on the level control information outputted from the monitoring section.

3. (Currently Amended) A transmitter for suppressing a variation in input ~~which controls the signal~~ level of a multicarrier signal obtained by combining multiple carriers such that the signal level of the multicarrier signal is adjusted, the transmitter comprising:

a peak suppressing section for detecting whether there exists a peak by comparing a ratio between the instantaneous power and the mean power of ~~based on~~ the sum of power levels of inputted carriers with a predetermined peak factor threshold value and outputting the carriers the power levels of which are

suppressed such that the power of each carrier after the combination becomes specified power by uniformly multiplying a multiplication factor corresponding to the sum of power levels for each carrier ~~the sum of the power levels is smaller than a predetermined peak threshold value~~ when the peak is detected;

an input power calculating section for calculating a mean input power level for each carrier before the carriers are inputted to the peak suppressing section;

an output power calculating section for calculating a mean output power level for each carrier after the carriers are outputted from the peak suppressing section;

a monitoring section for determining a gain value ~~outputting level control information which controls the signal level of each carrier outputted from the peak suppressing section~~ based on the mean input power level calculated by the input power calculating section and the mean output power level calculated by the output power calculating section for each carrier and outputting the gain value as level control information which controls the signal level of each carrier signal; and

a level adjusting section for adjusting the level of each carrier based on the corresponding level control information for each carrier.

4. (Currently Amended) A transmitter for suppressing a variation in input ~~which adjusts the signal~~ level of a multicarrier signal obtained by combining multiple carriers, the transmitter comprising:

a peak suppressing section for detecting whether there exists a peak by comparing a ratio between the instantaneous power and the mean power of based ~~on~~ the sum of power levels of inputted carriers with a predetermined peak factor threshold value and outputting the carriers the power levels of which are suppressed such that the power of each carrier after the combination becomes specified power by uniformly multiplying a multiplication factor corresponding to the sum of power levels for each carrier ~~the sum of the power levels is smaller than a predetermined peak threshold value~~ when the peak is detected;

an input power calculating section for calculating a mean input power level of the sum for each carrier before the carriers are inputted to the peak suppressing section;

an output power calculating section for calculating a mean output power level of the sum for each carrier after the carriers are outputted from the peak suppressing section;

a monitoring section for determining a gain value ~~outputting level control information which controls the signal level of the multicarrier signal~~ based on the mean input power level of the sum calculated by the input power calculating

section and the mean output power level of the sum calculated by the output power calculating section and outputting the gain value as level control information which controls the signal level of the multicarrier signal; and

a level adjusting section for adjusting the level of the multicarrier signal based on the level control information outputted from the monitoring section.

5. (Currently Amended) A transmitter for suppressing a variation in input ~~which adjusts the signal~~ level of a multicarrier signal obtained by combining multiple carriers, the transmitter comprising:

a peak suppressing section for detecting whether there exists a peak by comparing a ratio between the instantaneous power and the mean power of based ~~on~~ a power level of the inputted multicarrier signal with a predetermined peak factor threshold value and outputting the multicarrier signal the power level of which is suppressed such that the power of multicarrier becomes specified power by multiplying a multiplication factor corresponding to the power level for multicarrier ~~the power level is smaller than a predetermined peak threshold value~~ when the peak is detected;

an input power calculating section for calculating a mean input power level for the multicarrier signal before the multicarrier signal is inputted to the peak suppressing section;

an output power calculating section for calculating a mean output power level for the multicarrier signal outputted from the peak suppressing section;

a monitoring section for determining a gain value ~~outputting level control information which controls the signal level of the multicarrier signal~~ based on the mean input power level calculated by the input power calculating section and the mean output power level calculated by the output power calculating section and outputting the gain value as level control information which controls the signal level of the multicarrier signal; and

a level adjusting section for adjusting the level of the multicarrier signal based on the level control information outputted from the monitoring section.